



MEMORANDUM

To: Traffic Study Files

From: Peter Marsh, P.E., Supervising Engineer
Transportation Department

Date: June 18, 2013

Subject: SPEED ZONE INVESTIGATION

Location: Boulder Lane – RM 620 (North Entrance) to RM 620 (South Entrance)

Date(s) of Previous Investigation: N/A

A Traffic Engineering Investigation has been conducted by this Division to determine the posted speed limit on Boulder Lane from RM 620 (North Entrance) to RM 620 (South Entrance). (See Figure 1) The following information was collected and analyzed.

Speed / Volume Data Collected:

Block Number	Street Segment	Existing Speed Limit	85% Percentile Speed		Traffic Volumes
			EB	WB	
11600	West of Sweet Basil Drive	30 mph	38.1 mph	38.6 mph	EB-3,323 WB-3,614
11900	North of Chestnut Ridge	30 mph	32.7 mph	34.7 mph	EB-2,801 WB-2,989
10900	East of Cinnabar Trail	30 mph	40.8 mph	39.1 mph	EB-2,027 WB-1,281
10300	South of Dona Villa Drive	30 mph	46 mph	40 mph	EB-3,035 WB-1,509

General Comments:

Boulder Lane functions as a two-lane divided neighborhood collector from RM 620 (North Entrance) to approximately 125 feet west of Crossland Drive and from RM 620 (South) to approximately 930 east of RM 620 (South Entrance). It functions as a two-lane undivided neighborhood collector for the remaining middle section. The posted speed limit on Boulder Lane is 30 mph. There is a school zone speed limit of 20 mph from 250 feet north of Chestnut Ridge Road to 350 feet south of Chestnut Ridge Road for a Round Rock Independent School District (RRISD) elementary school. Sidewalks are present on both sides of Boulder Lane. Development along Boulder Lane immediately east of RM 620 is commercial but the remaining is residential. The residential development has no direct access to Boulder Lane except for five homes between Foundation Road and Beckwood Drive-Appletree Lane. In addition, there is a

neighborhood park and recreation center including a swimming pool, basketball court, and tennis courts along Boulder Lane.

As mentioned earlier, the posted speed limit on Boulder Lane is 30 mph between RM 620 (North Entrance) and RM 620 (South Entrance). The analysis of the speed data indicates that the average 85th percentile speed along Boulder Lane is 40 mph. Due to the functionality of Boulder Lane as a neighborhood collector street and geometric alignment (curves), residential development, the presence of a school, neighborhood park, recreation center, and pedestrian activity, a 40 mph speed limit is not recommended.

Investigation prepared by:

Henry S. Lush
Engineer

6/18/2013
Date

Based on the analysis of this information, it is my engineering judgment that the speed limit on **Boulder Lane** from **RM 620 (North)** to **RM 620 (South)** should be 35 miles per hour.

Respectfully submitted,

Peter Marsh
Peter Marsh, P.E.

Supervising Engineer

6/18/2013
Date

Transportation Department



2/21/2014